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202102



***The Trusted Integrator for Sustainable Solutions***

REMOVAL SUPPORT TEAM 2  
EPA CONTRACT EP-W-06-072

January 19, 2010

Mr. Cris D'Onofrio, OSC  
U.S. Environmental Protection Agency  
Response and Prevention Branch  
2890 Woodbridge Avenue  
Edison, NJ 08837

**EPA CONTRACT NO: EP-W-06-072**

**TDD NO: TO-0013-0129**

**DOCUMENT CONTROL NO: RST 2-02-F-1243**

**SUBJECT: COPIES OF THE LOGBOOK NOTES FOR SAMPLING EVENT OF  
DECEMBER 2009 FOR ALFRED HELLER HEAT TREAING COMPANY  
SITE, 5 WELLINGTON STREET, CLIFTON, PASSAIC COUNTY, NEW  
JERSEY**

Dear Mr. D'Onofrio,

As per your request, enclosed please find a paper copy of the site logbook for the Alfred Heller Heat Treating Company Site located at 5 Wellington Street, Clifton, Passaic County, New Jersey. The logbook copy includes the field notes for November 17 to December 17, 2009.

If you have any questions, please do not hesitate to call me at (732) 585-4440.

Sincerely,

Weston Solutions, Inc.

Sayed Iqbal  
Site Project Manager

Enclosure

cc: TDD File No. TO-0013-0129



November 17, 2009 Tuesday —  
 0930 : RST - d'Angel departed from  
 RST & Edison office.

1030 : RST & d'Angel arrived at site  
 met with OSC. Reviewed & I  
 Health and Safety Plan (AECOM) and  
 signed off on review.

Received briefing regarding the  
 assessment / sampling at the  
 site and anticipated schedule.

1130 - 1240 : RST & d'Angel,  
 OSC D'Onofrio and AECOM Rhi  
 walked through the site and  
 looked at the potential  
 sampling locations for soil  
 and soil gas tail in the site  
 buildings and outside areas.

1300 - 1330 : RST & lunch break

1330 : RST & d'Angel at site  
 reviewing proposed soil  
 sampling locations documents  
 prepared for site by EPA  
 worked on soil locations and  
 parameters summary with  
 the draft spread sheet

for OSC review.

1600 - 1630 : RST & OSC pair  
 walked through the sample locations  
 in the site boundary & revised  
 the sample numbers.

1740 : RST & d'Angel departed site.

Sanya Jitul

December 9, 2009, Wednesday.

0902 : RST & S. Jipper departed RST Edison office and headed to Alfred Heller Health Meeting Site, Cliffon, NJ.

Weather: Overcast & heavy rain, windy as temperature in 40's F, wind from SW @ 15-20 mph

1010 : RST & S. Jipper arrived at Alfred Heller Health Meeting Site. Met with ERPS, RM Bill Henry & EPA OSC Kelly discussed soil gas well installation at four locations in the degreaser area including one in the degreaser Pit base.

1030 : RST started set up for soil gas well tubes and fittings. ERPS personnel performed drilling with 1" +  $\frac{3}{8}$ " dia bits. ERPS and OSC Kelly reported to RST that concrete slab is 4"-6" thick and they drilled down to approximately 12".

RST used 8" stainless steel tube and has not assembled and set the assembly in four holes and sealed with concrete mix and flushed mud in the wells.

1230 : RST completed the installation of four soil gas

wells and plot them for drying  
concrete and desilication.

1230 - 1300 : RST & French break

1300 : RST & A - side to meet  
with OSCs D'Onofrio, Kelly and  
CRPs to work the soil sample  
locations and next week and

oil gas sampling starting 24 hrs  
tomorrow and Friday.

1315 : RST & Fred + Tagel walked through  
the site with OSCs Kelly + D'Onofrio and  
CRPs NM Bill Henry and reviewed the  
Soil-dust soil sample locations and  
draw sample location maps.

1600 : RST & Departed 26' Se  
S. Gavles.

December 10, 2009, Thursday

1100 : RST & S. Gavles & S. Garber departed  
RST & office

1145 : RST & Fred + Gavles arrived  
at Alfred Heller Heat Treatment Site,  
Clifton, NJ. and start prep for  
air and soil gas sampling.

As per OSC D'Onofrio, no air and/or  
soil gas sampling required in the  
office area. Instead an Gamma  
Carisole (ID # 000521) was placed

outside downwind for background  
air sampling (24-hr). AH-AA-01.

Second air sample Gamma Carisole  
with a C-locater (duplicator) well  
placed in Blk. No. 1, north of the Vapor  
degassed Area Pit - AH-AA-02 + AH-AA-03.

Four soil gas sample bottles canister were setup at the four soil gas probe(wells) in Bld. No. 1 in the Vapour Degreaser Area and one field Duplicate was attached to location No. AH-SG-03, for location, refer Sample location map.

All Air and Soil Gas samples were collected as follows:-

<u>Sample No.</u>	<u>Location</u>	<u>Time Started</u>
AH-AA-01	Outside/Downwind	1237
AH-AA-02	Bld.No.1 Degreasen Area	1354
AH-AA-03	Bld.No.1 Degreasen Area	1354

Duplicate/Collector of AH-AA-02.

AH-SG-01	Bld.No.1 Degreasen Area	1355
AH-SG-02	"	1356
AH-SG-03	"	1357
AH-SG-04	"	1357

Duplicate of AH-SG-03

AH-SG-05 Bld.No.1 Degreasen Area Pit 1352

While setting up air and soil gas sample bottles canister in Building No.1 - contractor personnel were cutting pipes and also driving dry forklifts.

RST (Stephan Stephan) observed the Bureau staffs the day were working at set up for 24-hrs sampling started at range L-30 to -28 and moving very slowly.

1550: RSG reported in the field.

December 11, 2009, Friday —

1230 : RSE & Alfred + Gavald —  
deposited RCT & office —

1345 : RCT & Alfred + Gavald  
arrived at Alfred Heller  
Steel Treating side, Clifton, NJ.  
Observed all the same

sandifiers — they still had  
some vacuum bags —

At 1340 hours RCT & start stop  
gloves + sample plug sample canisters,  
as noted their gauge readings.

Photo documented all sandifiers  
and gauges with labels on them.

Packed in boxes with chain of  
custody / traffic report, prepared  
and inserted in boxes for the  
shipment to lab via FedEx.  
Final readings were also noted on  
the sample labels for lab —

1500 : RCT & OSC, Kelly +  
Cris D'Onofrio regarding the  
comments they have on the  
QAPP — particularly government  
downsizing — not using  
→ chemical reagents and just  
using soap/detergent, DI water  
and steam cleaning — follow the  
SOPs for NJDEP and DEPA —

Other comments were using ERT  
SOPs — requested to use DEPA's  
SOPs, Rinseali Blanks needed  
once a week not every day.

Also requested to include details for sampling equipment to be used in the sampling and report every second time instead of two weeks - RST 2 informed OSCs that the few extra time for sampling trip Rpt. is in our Sfd. & APP. However, if requested, RST will work on it & provide that in a wk.

All air & soil gas samples collected today were as follows:

AH-AA-01	1340
AH-AA-02	1356
AH-AA-03	1356
AH-SG-01	1408
AH-SG-02	1416
AH-SG-03	1428
AH-SG-04	1428
AH-SG-05	1425

1600 : RST ~ departed site

(@) 1715 : RST 2nd FedEX office in Edison, NJ - Shipped samples

to CCP lab.: Atmospheric Analysis Const.  
1534 Eastman Avenue, Ventura, CA.

1730 : RST in loaded site vehicle

5 dec.

December 15, 2009, Tuesday -  
 0700 : RSE 2 dep'd, Richards,  
 Petty and Sean at EPA lot —  
 RSE 2 (S. Richards and S. Petty) left  
 directly for Alfred Heller Head-  
 Quarters, Chilton, NY. RSE 2 and  
 Sean Gavles went to RSE 2  
 office to retrieve mult. rate, which  
 was on charge in the equipment  
 room. After retrieving mult. rate  
 from the RSE 2 office, headed to  
 Alfred Heller site —

0810 : RSE 2 Sandra Richards  
 and Joel Petty arrived at site.  
 0830 : RSE 2 S. Gavles and S. Gavles  
 arrived at Alfred Heller site —  
 RSE 2 81M depth conducted  
 Health Safety meeting and —  
 discussed the weather, work condi-  
 tions, tripple in the buildings due  
 to picking up metal bars —

Weather : Overcast, temperature  
 is 40° F, wind 20 mph SW —

0930 : RSE 2 preparing for the  
 soil sampling activities after  
 a brief walk through of the  
 sampling locations with all  
 the RSE 2 team members, and  
 ERHS RM, Jake OSC Kelli Jones  
 and indicated the location # 28  
 which was confirmed by  
 OSC Chris O'Meara —

0945 : RSE 2 personnel started

soil sample #1 - AH-S-26 unpared  
 free in side yard by building #4  
 a) moved to location AH-S-28 and  
 collected soil samples - first for  
 VOC, (Encore<sup>®</sup>) and then in  
 trip from homogenized a)  
 for SVOCs, TAL metals + Hg + CN,  
 DRC, GRO, ORO, PCB, and mixture  
 content. The following samples  
 were collected:

RGL Sample No.

AH-S-26 1005 by East fence

AH-S-28 1107 by NE fence corner

AH-Cy-SS-09 1145 Courtyard area

AH-Cy-S-10 1130 "

AH-Cy-S-11 1120 "

AH-LD-SS-22 1346 "

1400 : RSE & DR location no.

AH-S-27 and noted some  
 water in the hole, try to retrieve  
 soil sample - but it is very wet  
 almost soupy/mud like -  
 DR & DR notified OSC  
 D'Onofrio - he looked at  
 it and decided to move the  
 location 2' away from wall  
 and trough - ERHS personnel  
 are preparing to cut/remove  
 concrete slab from the OSC's  
 anticipated location

1440 : RSE consult with  
 the OSC to stop sampling

21 - This point of soil sample management & packing procedure.

At all soil sample location NST 2 personnel use multiRATE calibrated in the morning to check if any VOCs present in the soil - no VOC, readings were noted above the baseline which was zero.

21 - Any soil sample location - MultiRATE (serial # 095-525-816) was calibrated in morning prior to start work/sampling. It is done with fresh air, mult. gas and isobutylene - background levels given for CO, H<sub>2</sub>S, LEL & H<sub>2</sub>S. Oxygen was 20.9.

Bump test for isobutylene 99 ppm. Multi-rate calibration was: H<sub>2</sub>S = 10 ppm. CO = 49 ppm, LEL = 50% + O<sub>2</sub> = 19%.

1630: NST 2 completed sample management, QC, & packing & ready to ship to CCP labs. NST 2 ship Inorganic samples to Liberty Analytical Corp., NC. & Organic parameters were ship to A4 Scientific, TX.

1645: NST 2 departed site. NST 2 Richards & Lett will ship samples from Federal office lab.

Signatures

December 16, 2009 Wednesday.

0630: RST & Paul, Richards & Petty met at EPA parking lot -  
RST & Richard as Petty reported  
in one ride vehicle for Alfred  
Heller ride.

0642: RST & Paul & Gavlos  
departed in another ride vehicle  
for Alfred Heller ride.

0720: RST & member are  
all at ride & attended the  
Safety meeting with ERAs  
personnel and also had one  
brief meeting for safety issues,  
including safe work practice  
& weather conditions today  
will be cold & windy, stay  
warm, break if needed.

Weather - Cold temp. is 30°F  
wind 15-25 mph from NW -  
Windchill feels like 21°F -

Partly cloudy, light sun 45°F.

0740: RST & preparing for sub-slab  
soil sampling in shed & Bld. 5 -

Calibrated MultiRAE (095-025816)  
with frozen oil, 100 ppm Isobutylene  
and multiples (CO, H<sub>2</sub>S, LEL + O<sub>2</sub>) -

Reading were VOC<sub>s</sub> = 107 ppm.

CO = 50, H<sub>2</sub>S = 10, LEL = 50%, O<sub>2</sub> = 18.2  
all were within the range in mixture

Background levels in the air  
are CO = 0, H<sub>2</sub>S = 0, LEL = 0

VOC<sub>s</sub> = 0 & O<sub>2</sub> = 0 -

0840 : RST-2 team collected sub-slab soil sample at AH-5H-55-27 location  
ERPS removed approx. 8" concrete slab.  
RST-2 used had auger to retrieve the  
6" interval sample. Prior to homogeniza-  
tion - collected Enclose samples for  
VOCs - then collected for rest of the  
parameter as described yesterday.

Also at this location, a QAQC  
field blank (AH-5H-55-29) was  
collected. At Sample AH-B4-55-06 at  
0935 additional volume for QC

QAQC - NSIMS was collected -

0945 : RST-2 QAQC coordinator  
Smile boundary was on site to  
perform Hec 4 Safety Site Audit.  
MT-2 Smiley walked through  
the file with RST-2 staff and  
met with RST-2 Richards, Petty  
and Gosses - reviewed overall the  
work. Sampling, field meetings  
and checked on the sample locations.

Also audited site documents  
including QAPP & HAZSP Logbook

1045 : RST-2 Smiley departed site  
1025 : BFF-2 collected soil samples  
from AH-B4-55-05 and then  
moved to Building No. 5 for sub-slab  
soil sampling in the building.

1130 : RST-2 collected sub-slab  
samples at Bld. No. 5 at location  
ns. AH-B5-55-08 - also collected  
field samples (AH-B5-55-30) at

this location. At location C 1140 hours of Att-B5-55-15 with the additional volumes for MS(MS).

1200 - 1230 : RST collected sub-slab samples in Bldg. 1

20-Att-B1-55-01, Att-B1-55-02

as Att-B1-55-03. Samples at this location are noted with petro leum + septic odor, no MultiRAE readings for VOC or LEL and were not with free product or hydrocarbons.

1255 : RST 2 dual tanks to RST Brechner regarding the soil samples for Bldg. 1.

and based on observation decided to skip them as regular samples —

RST continued to sample sub-slab soils where the concrete core have been removed. ENR's personnel continued to cut up the concrete slab in Building 5 for the sub-slab soil sampling.

1615 : RST prepared a cooler of samples for the environmental service from Chematech lab for hex Cr soil + Rinseate sampler to pick up —

1630 : RST & distinguished six sub-slab soil samples including one duplicate sample and one

Reisalt blank to Chenech lab  
carrier service

The rest of the samples were packed  
in coolers for FedEx shipment  
to A4 Scientific lab (Organics) and  
Liberty Analytical (Inorganics)  
Samples collected were as follows:

AH-B4-SS-06	0935
AH-B5-SS-08	1130
AH-B5-SS-30	1120
(Duplicate of AH-B5-SS-08)	
AH-B5-SS-15	1140
AH-B1-SS-01	1200
AH-B1-SS-02	1215
AH-B1-SS-03	1230
AH-B5-SS-12	1450
AH-B5-SS-14	1500
AH-B5-SS-16	1515
AH-B1-SS-25	1630
AH-SH-SS-27	0840
AH-SH-SS-29	0845
(Duplicate of AH-SH-SS-27)	
AH-B4-SS-05	1025
AH-RB-121609	1530

1600: RST2 plane-sample  
management & packing for shipping.  
1910: RST2 departed site for samples  
shipment via FedEx and pickup supplies  
from RST2 office for tomorrow.  
2010: RST2 at EPP lot & departed

S. Jones

December 17, 2009, Thursday.

0630 : RST & agent, Richards, Petty and Gavlos met at the EPA lot and departed in site vehicles for Alfred Heller Fleets Trucking Inc., Clifton, NJ.

0715 : RST & members of the attended safety meeting with ERHS personnel and discussed sampling activities —

0730 : RST preparing for sub-slab soil sampling and calibrated Multirite (095-525816) with fresh air, 100 ppm Isobutylene and multigas (CO, H<sub>2</sub>S, LEL, O<sub>2</sub>) and calibration with zero (fresh) air were zeroes CO, H<sub>2</sub>S, LEL and VOCs and O<sub>2</sub> = 20.9. Calibration of VOCs was 100 ppm. And the读后感 : CO = 51, H<sub>2</sub>S = 10, LEL = 49

at 0<sub>2</sub> = 18 — Background level air zeroes for CO, VOCs, LEL, H<sub>2</sub>S.

0800 : RST decon of the sampling equipment and started safety in building no. 1 at the locations : AH-B1-S5-04, —

AH-B1-S5-23 and AH-B1-S5-24.

0915 : RST (2 tents) sampling in building no. 5 at locations

AH-B5-S5-13, AH-B5-S5-17 and AH-B5-S5-18 —

1100 : RST waiting for ERHS personnel to cut the slabs

at remaining four locations  
in Building 5 & 2. In the mean  
time RST<sup>r</sup> started labeling  
the jars of samples collected  
so far in morning —

1115 : OSC Chris D'Ungerio —  
requested RST<sup>r</sup> to use hand  
auger at location AH-B1-SS-24  
1500 : RST<sup>r</sup> used plan bar sampler  
and try to retrieved deeper sub-slab  
sample at AH-B1-SS-24, sampled  
enclosed hard like concrete below  
6" from bottom of the slab. Tried two  
times — notified the OSC and as per  
his request no sample was collected.

RST<sup>r</sup> moved to the next location

AH-B1-SS-23 — RST<sup>r</sup> was  
able to retrieved a sample from  
0 - 18" below slab. Layer of  
12" - 18" of the sample consisted  
of plastic bags like material with  
slight-petroleum odor - OSC also  
observed the sample and requested  
RST<sup>r</sup> to send 02" - 18" interval  
sample to the lab for usual analysis.

RST<sup>r</sup> did contact RST<sup>r</sup>  
QAQC supervisor that an  
additional sample will be sent  
to the CLP labs (Inorg. + Org) —

RST<sup>r</sup> collected additional sample  
AH-B1-SS-23B at location  
23 in Building No. 2 from 12" - 18"  
interval —

Today sub-slab soil samples collected were as follows:

AH - B1 - SS - 04 @ 0855  
 AH - B1 - SS - 23 @ 0845  
 AH - B1 - SS - 24 @ 0900  
 AH - B5 - SS - 13 @ 0925  
 AH - B5 - SS - 17 @ 0940  
 AH - B5 - SS - 18 @ 0950  
 AH - B1 - SS - 23B @ 1045  
 AH - B2 - SS - 07 @ 1700  
 AH - B5 - SS - 19 @ 1615  
 AH - B5 - SS - 20 @ 1630  
 AH - B5 - SS - 21 @ 1600

Samples for Iodine & Chrome -  
samples were first packed  
in cooler as COC was prepared  
for Chemtech Lab's courier  
service to pick up the samples.

1700 : Chemtech Lab's  
courier service to take  
15 samples transferred the  
custody of sample to the  
courier service for delivering  
the samples to Chemtech.

Rest of the samples  
were packed for FedEx  
shipment - Organic  
analytes samples to A4 Scientific  
& Inorganic samples were  
shipped to Liberty Analytical  
Corp.

1940 : RSTI sent FedEx office  
and shipped samples to the  
A4 Scientific and Liberty  
Analytical labs.

After shipment of the samples,  
RSTI unloaded side vehicle  
20-A152 office

2015 : RSTI team departed  
RSTI office & parked the  
side vehicles at EPA lot.

Note : Today RSTI personnel  
were unable to collect sub-slab  
samples between approximately  
1000 hours and 1500 hours due  
to ERR's personnel were  
waiting on for the new core  
drill bit replacement for  
drive and to determine the  
cutting of concrete slab  
to access to the soils for  
sampling.

Today's sub-slab soil sample  
concluded this sampling event.

Signed,